

Mohamed Niyaz A

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🔗 Portfolio

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📄 Medium

Profile Summary

Proficient Computer Science student focused on full-stack development and AI. Skilled in Python, Java, JavaScript, PostgreSQL, and AWS. Experienced in creating secure web and AR applications. Eager to contribute to challenging software development projects.

Professional Experience

07/2025 – 09/2025
Chennai, India.

Tech Intern

Ifelse Technologies 📄

- Spearheaded the development of a full-stack Student Wallet Management System capable of accommodating over 1 Million users.
- Architected the complete backend, featuring a robust RESTful API (Node.js, Express) and a multi-tenant PostgreSQL database that enhanced data privacy by 70%.
- Engineered a multi-layered security system with JWT authentication, which reduced unauthorized access by 40%.
- Integrated advanced verification and transaction features, including a facial recognition system with 95% accuracy (Deepface) and NFC technology for secure payments.
- Developed reusable React components for two distinct front-end applications, improving code efficiency by 30%.

EDUCATION

2022 – 2026
Chennai, Tamil Nadu.

Bachelor of Engineering in Computer Science and Engineering

Aalim Muhammed Salegh College of Engineering

- CGPA: 7.7

2019 – 2020
Chennai, Tamilnadu.

HSC

Madras Christian College Higher Secondary School

- Percentage: 71%

PROJECTS

10/2024 – 10/2024

SPACE DIVE

NASA Hackathon

- Created a highly interactive 3D solar system environment utilizing JavaScript, HTML, and CSS as part of the NASA Hackathon.
- Built an application to process and visualize the real-time positions of more than 2,000 celestial objects via the NASA API, delivering an engaging educational experience.

04/2022 – 09/2022

THOZHILALI

Aalim Muhammed Salegh College of Engineering

- Co-founded "Thozhilali," a startup initiative focused on connecting skilled technicians with potential clients through an online platform.
- As a lead developer, I was responsible for building the initial prototype, which successfully attracted over 25 beta users within the first month of its launch.

07/2025 – 09/2025

STUDENT WALLET SYSTEM

Ifelse Technologies

- As the lead backend developer, constructed and deployed a multi-tenant PostgreSQL schema architected to support up to 1,000 tenants concurrently.
- Built a Python-based microservice integrating Deepface for advanced facial verification, which achieved a 98% accuracy rate in authenticating users.
- Established a JWT-based secure authentication framework to safeguard the data of over 500 user accounts.

04/2025 – 04/2025

AR SUPERHERO CARDS

Aalim Muhammed Salegh College of Engineering

- Developed an interactive Augmented Reality experience that brings superhero cards to life.
- Utilized Vuforia image tracking technology to detect physical cards and display animated 3D models of heroes, creating an immersive user interaction.

SKILLS

Programming & Frameworks

- Java
- Python
- JavaScript: Node.js/Express.js, React



Database Management

- PostgreSQL
- MongoDB
- Firebase



Web Development & APIs

- REST APIs
- Tailwind CSS



Artificial Intelligence

- LLM, MML
- Context Engineering
- Hugging Face Transformers



Cloud & DevOps

- Cloud Platforms: Zoho Catalyst, AWS (Basics)
- Version Control: Git, GitHub



Soft Skills

- Leadership
- Problem-solving
- Communication
- Team collaboration



AR Development

- Unity Development: Vuforia, Prefabs, AR



CERTIFICATIONS

Galactic Problem Solver

NASA SpaceApps, 2024

Journey to Cloud: Envisioning Your Solution

IBM SkillsBuild, 2024

Prompt Design in Vertex AI Skill Badge

Google Cloud, 2025

AWS Knowledge: Cloud Essentials

Amazon Web Services Training and Certification, 2024

AWS Academy Graduate – AWS Academy Cloud Foundations

Amazon Web Services Training and Certification, 2024

Build Real World AI Applications with Gemini and Imagen Skill Badge

Google Cloud, 2025

AWARDS & HONORS

01/12/2023

Entrepreneuership Conclave 2024 Startup Award

Aalim Muhammed Salegh College of Engineering

- Awarded for outstanding achievement and recognition of our student startup, celebrating innovative ideas and an entrepreneurial spirit.